

FIG 1a

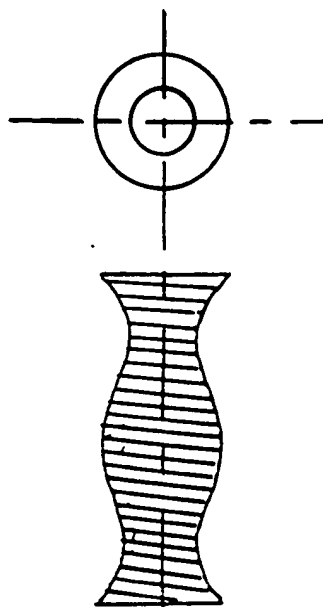


FIG 1b

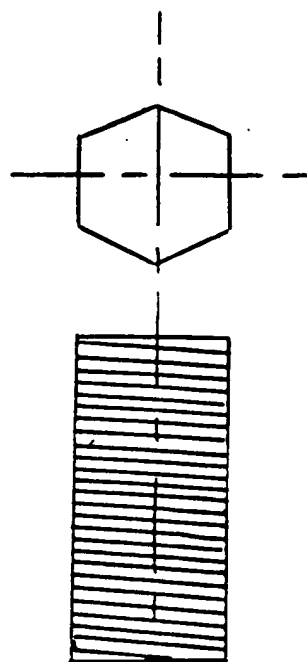


FIG 2a

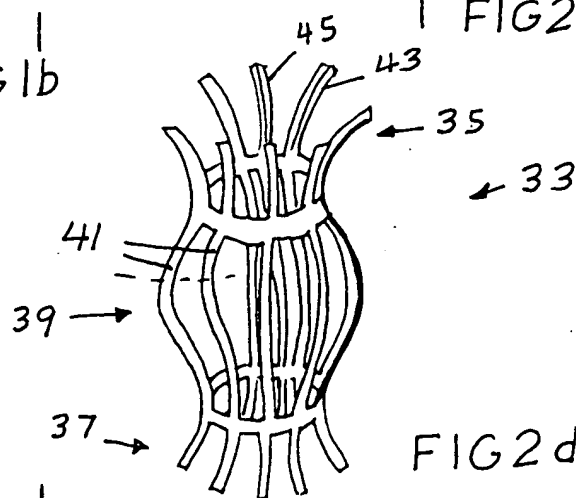


FIG 2d

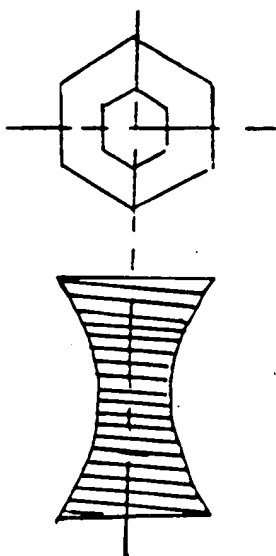


FIG 2b

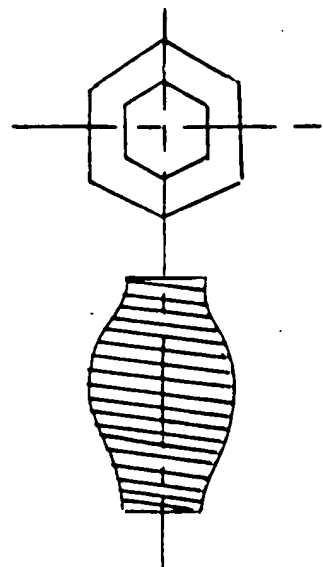


FIG 2c

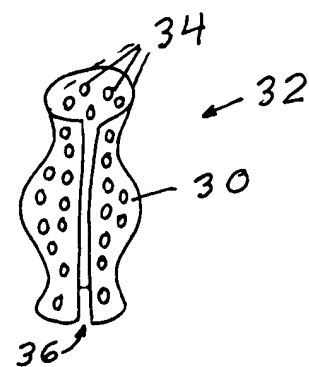


FIG 3

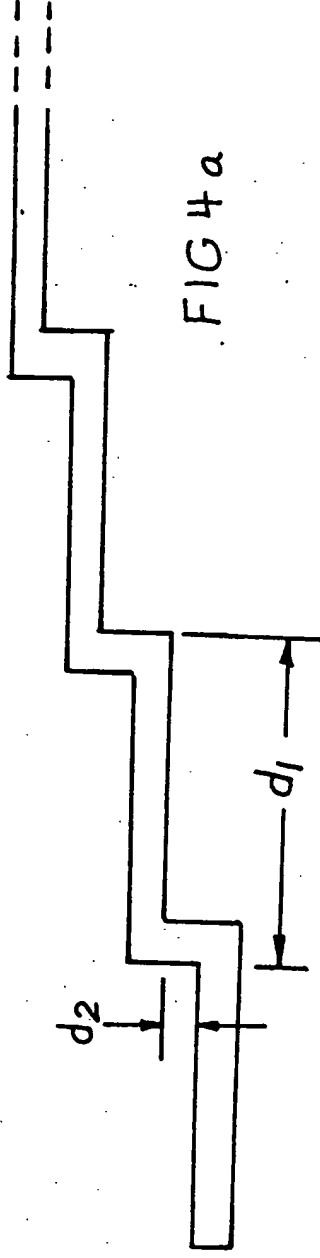


FIG 4a

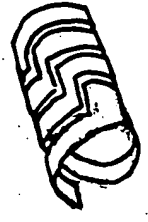


FIG 4c

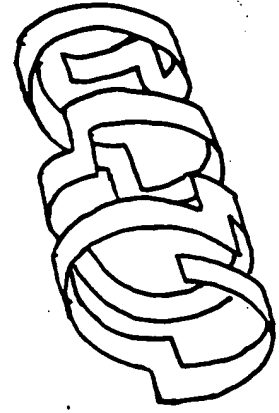


FIG 4b

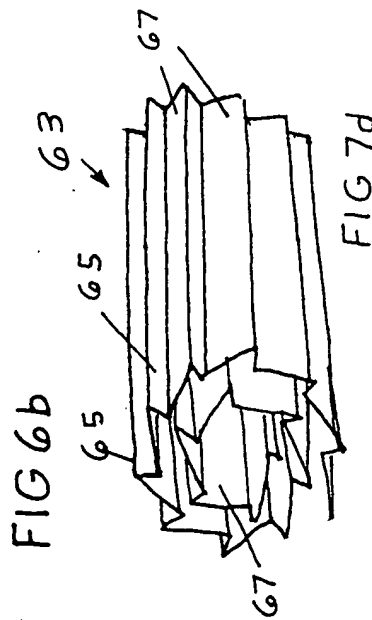
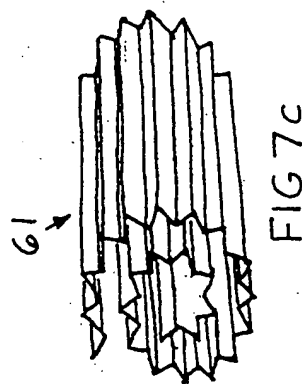
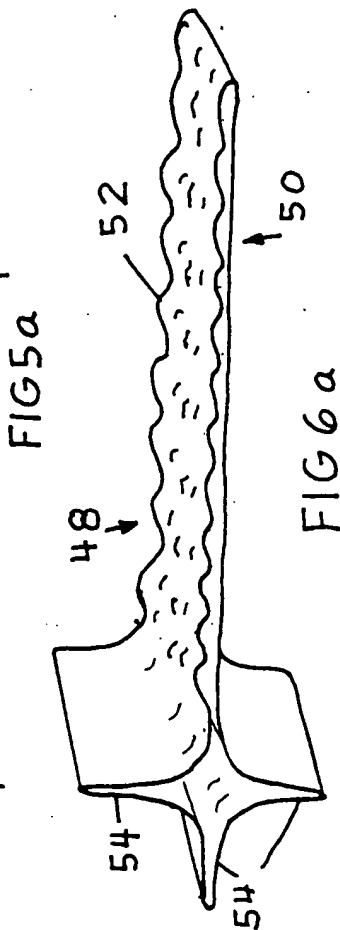
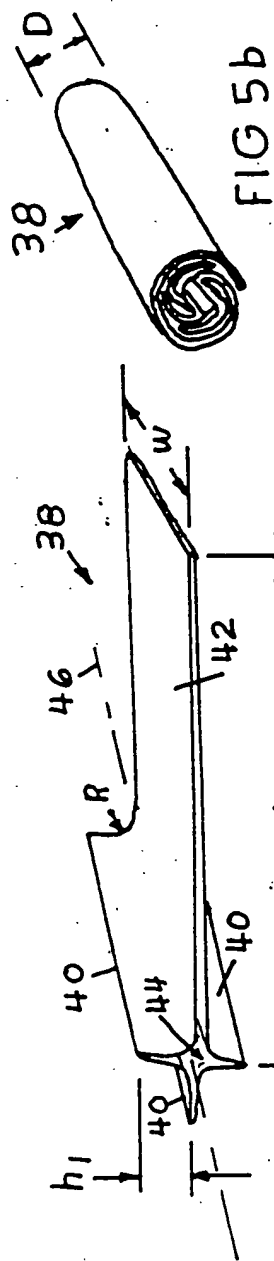


FIG 6b

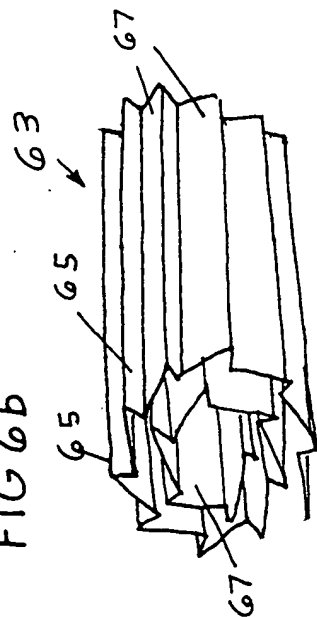


FIG 6b

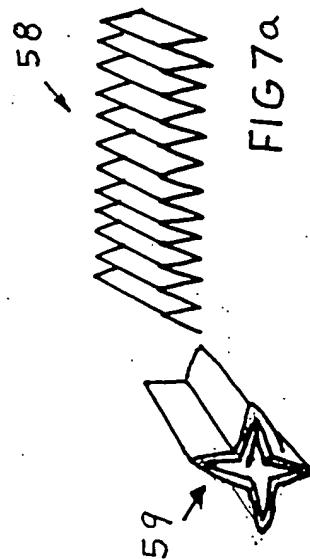


FIG 7a

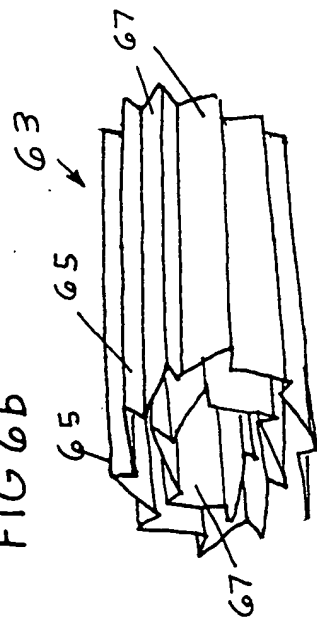


FIG 6b

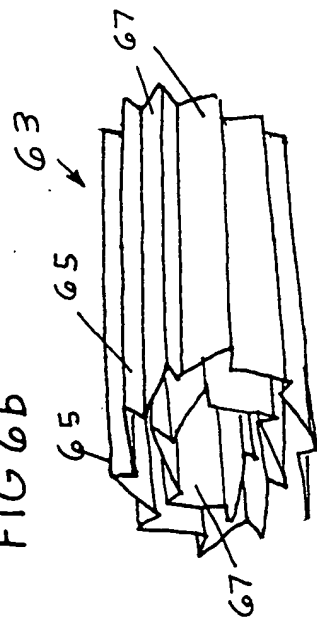


FIG 6b

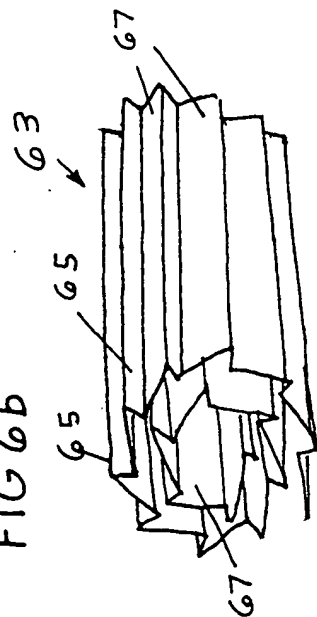


FIG 6b

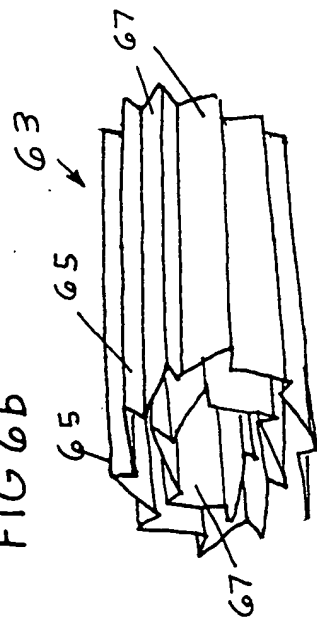


FIG 6b

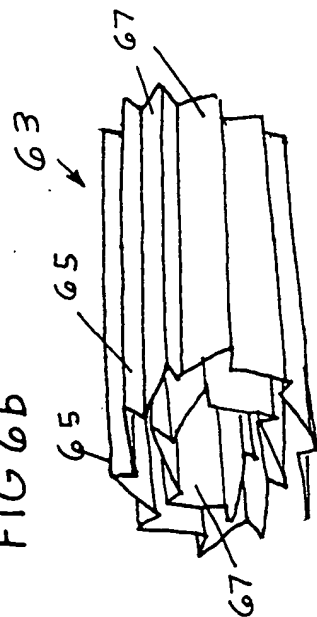


FIG 6b

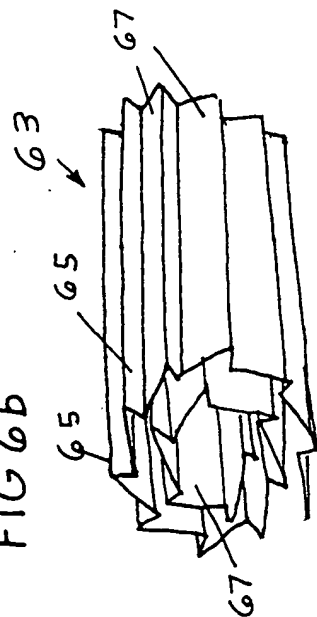


FIG 6b

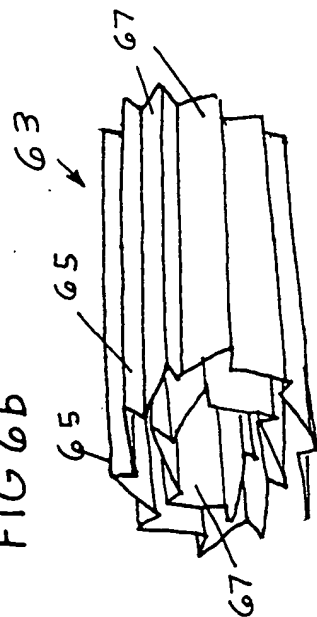


FIG 6b

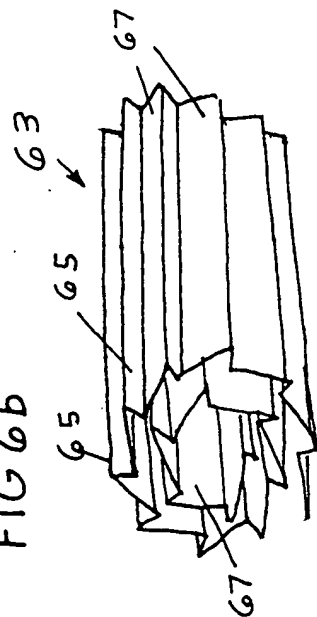


FIG 6b

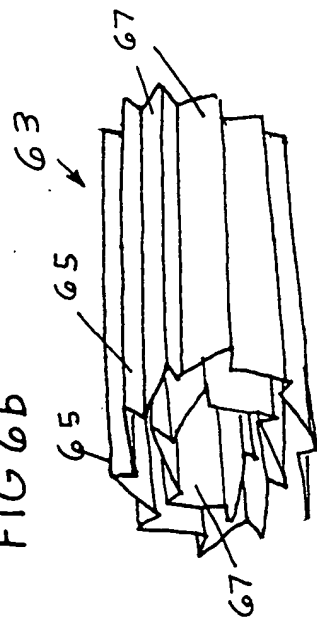


FIG 6b

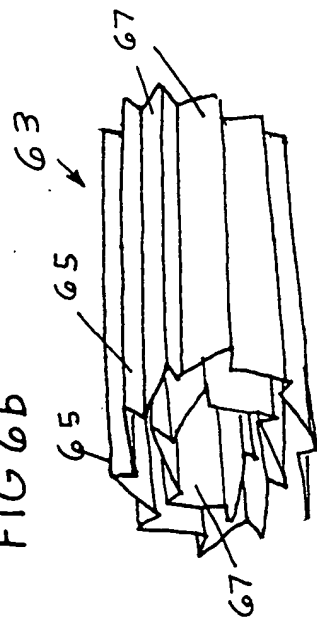


FIG 6b

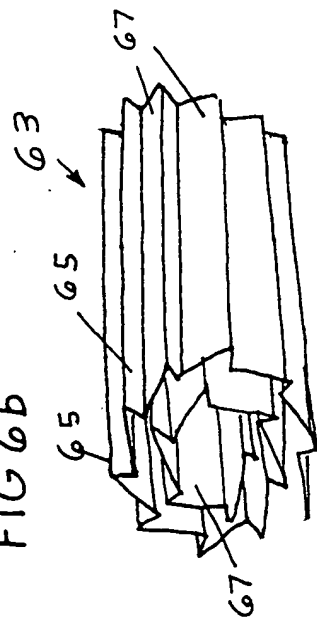


FIG 6b

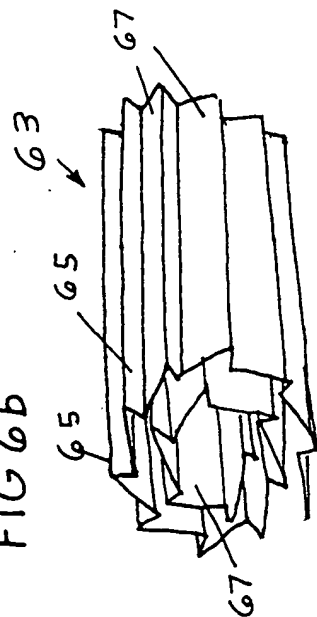


FIG 6b

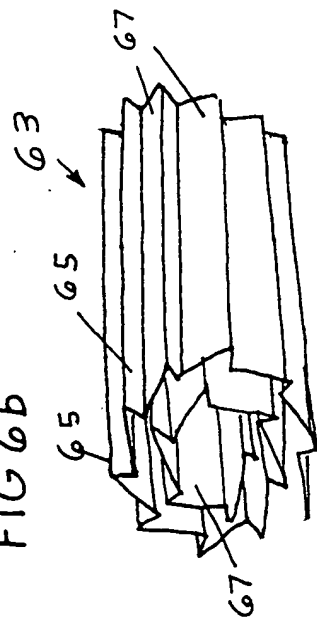


FIG 6b

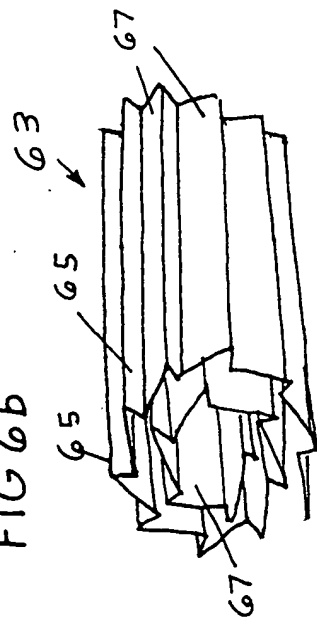


FIG 6b

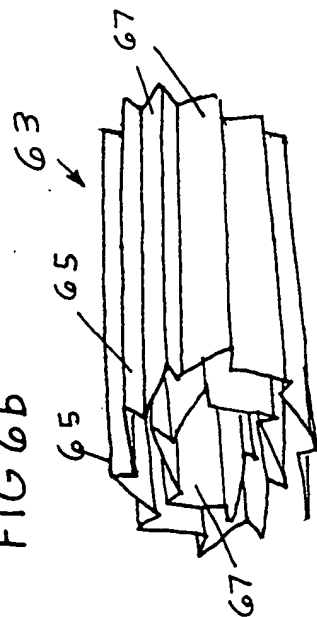


FIG 6b

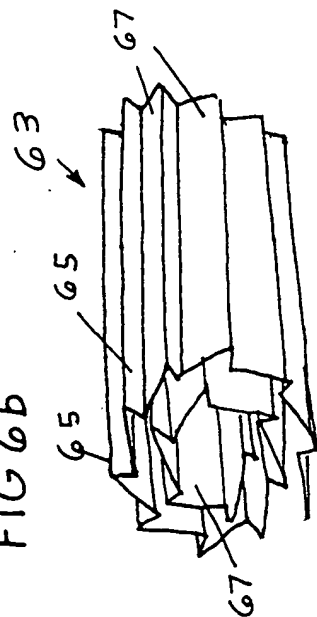


FIG 6b

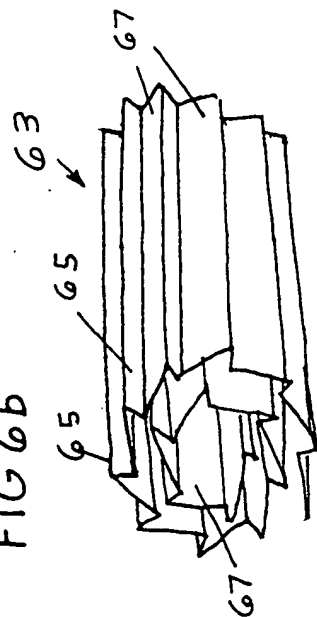


FIG 6b

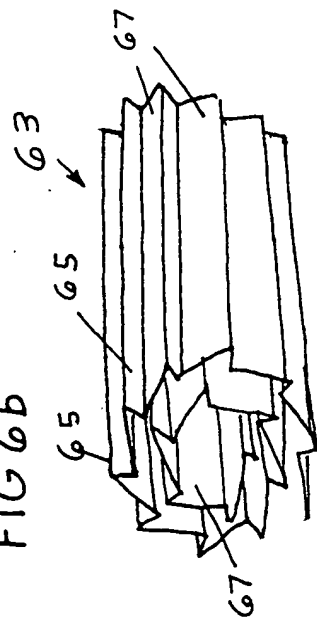


FIG 6b

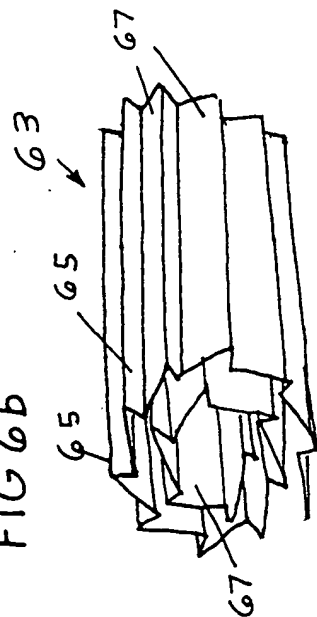


FIG 6b

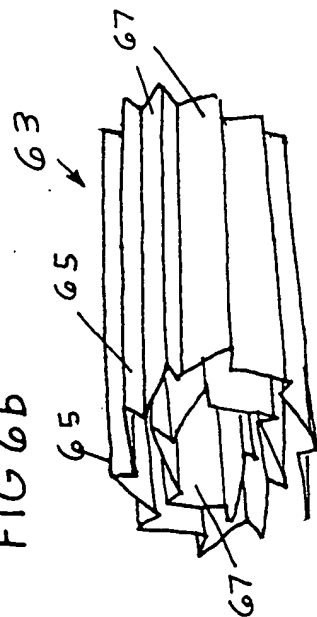


FIG 6b

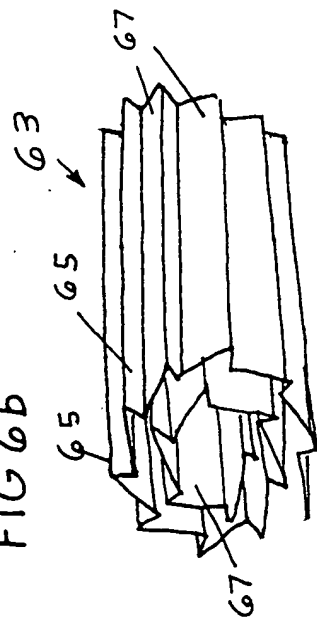


FIG 6b

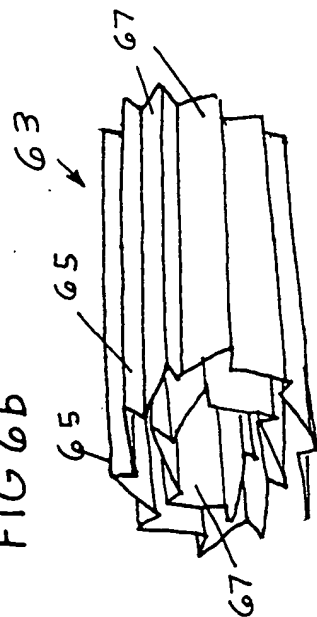


FIG 6b

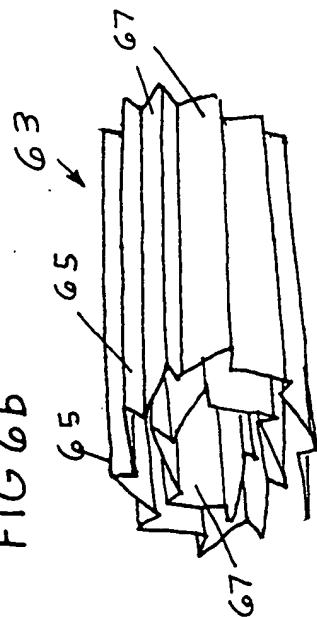


FIG 6b

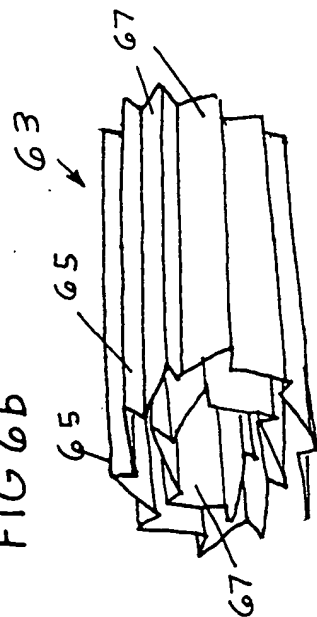


FIG 6b

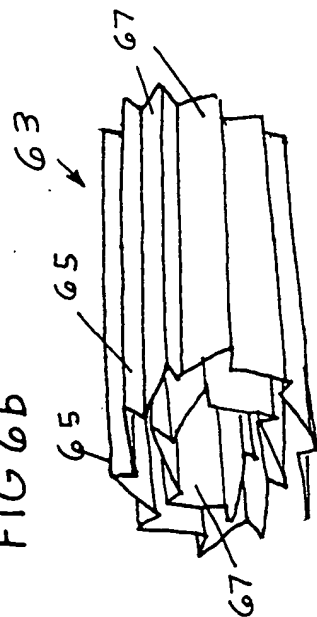


FIG 6b

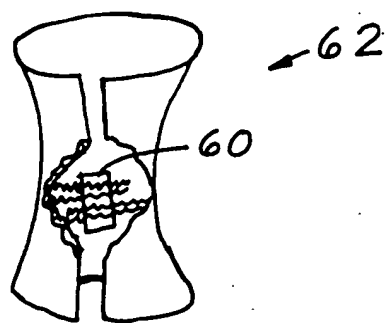
[illegible]

FIG 8

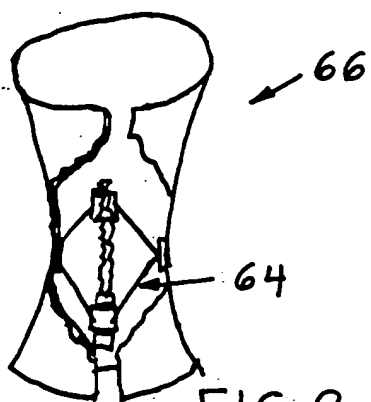


FIG 9

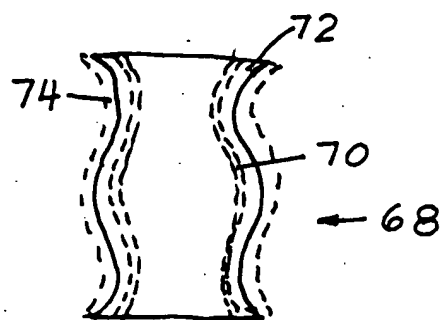


FIG 10

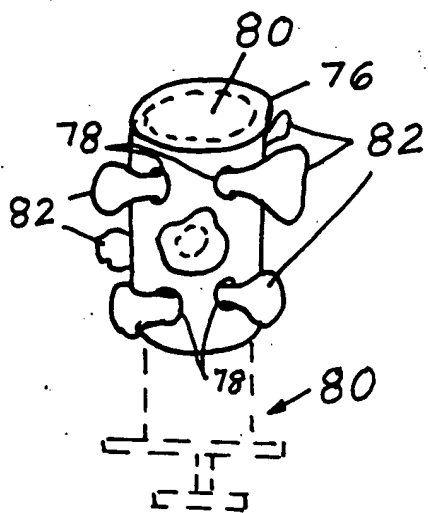


FIG 15

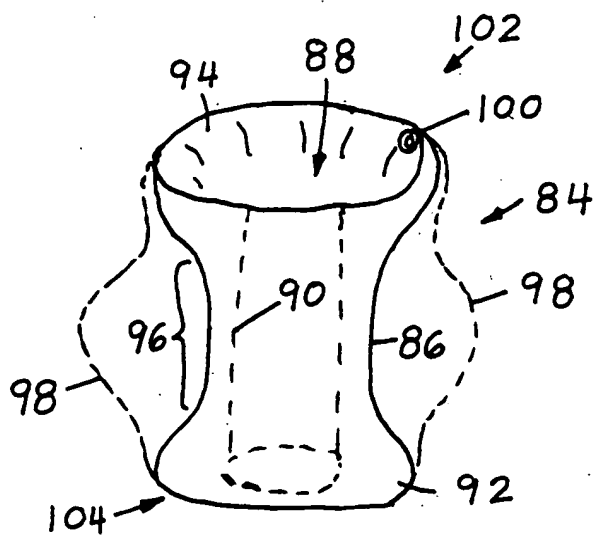


FIG 16

## BIO-ABSORBABLE /BIODEGRADABLE MATERIALS (POLYMERS)

### **Key to Material Composition:**

- DLPLA ----- poly(dl-lactide)
- LPLA ----- poly(l-lactide)
- PGA ----- polyglycolide
- PDO ----- poly(dioxanone)
- PGA-TMC ----- poly(glycolide-co-trimethylene carbonate)
- PGA-LPLA ----- poly(l-lactide-co-glycolide)
- PGA-DLPLA ----- poly(dl-lactide-co-glycolide)
- LPLA-DLPLA ----- poly(l-lactide-co-dl-lactide)
- PDO-PGA-TMC ----- poly(glycolide-co-trimethylene carbonate-co-dioxanone)
- PLC ----- poly-e-caprolactone
- polyactive polymer
- any combination of the above materials

**FIG. 11**

## ANTI-MICROBIAL AND PHARMACEUTICAL DRUG COATINGS

- Silver-oxide
- Silver chloride
- Hydrogel
- Ciprofloxacin
- Antibiotics & anti-inflammatory agents
- Radiopaque compounds/materials
- Barium sulfate
- Bismuth

**FIG. 12**

### **RECOMMENDED COATING FOR LUBRICITY**

- Teflon
- Silicon
- Hydrogel
- Gold/Silver
- Polymers

**FIG. 13**

### **RECOMMENDED DRUGS / PHARMACEUTICALS AND BIOLOGICALS FOR SITE SPECIFIC DELIVERY METHODS**

- Therapeutic Agents
- Pharmaceutical Drugs
- Antibiotics & Anti-inflammatory Active Agents
- Genes, Vectors, Vaccines, Virus & Other Biological Agents
- Cancer Treatment Drugs & Other Chemo-Agents
- Radioactive Isotopes

**FIG. 14**

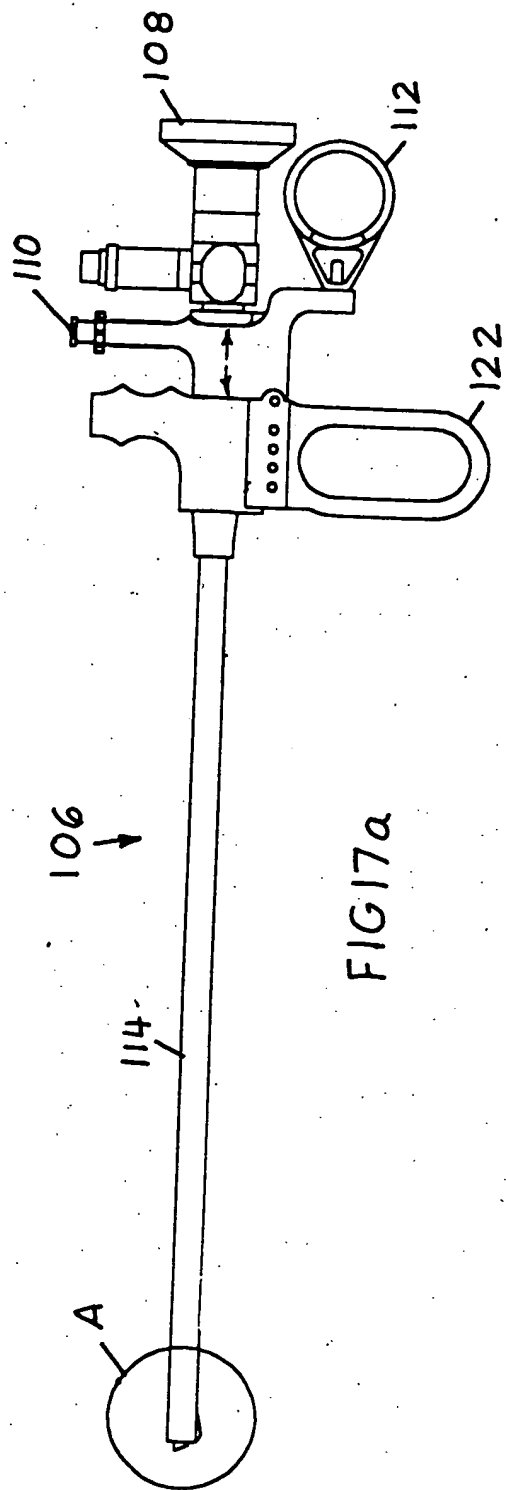
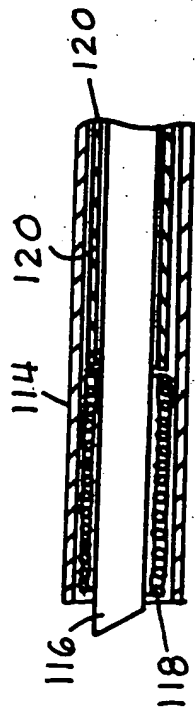


FIG 17a



Section A  
FIG 17b

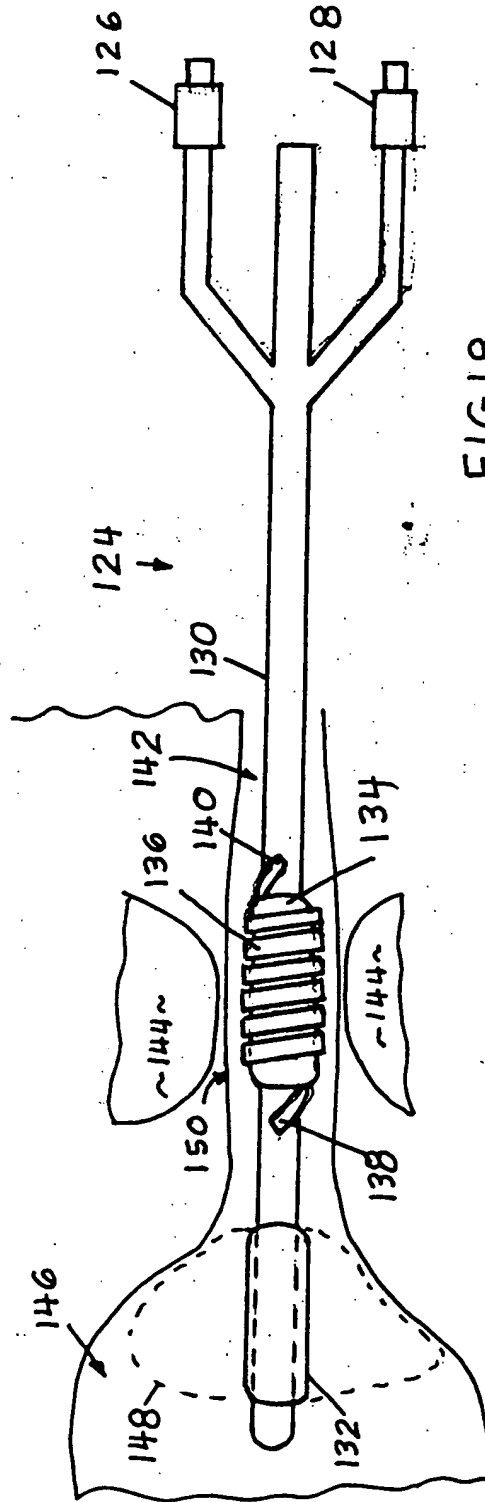


FIG18



007710-80224560

